

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.(Currently Amended) A sense amplifier, comprising:
a sensing unit for sensing data stored at a memory cell;
a reference voltage generator having a reference cell, for generating a reference voltage;
an equalizer that makes same the output of the sensing unit and the output of the reference voltage generator, wherein the equalizer is enabled before applying a read voltage to a word line of the memory cell is enabled, and is then disabled after applying the read voltage to the word line of the memory cell; and
a comparator for comparing the output of the sensing unit and the output of the reference voltage generator.

2.(Original) The sense amplifier as claimed in claim 1, wherein the equalizer consists of a switch driven by an equalizer enable signal.

3.(Original) The sense amplifier as claimed in claim 1, wherein the equalizer consists of a PMOS transistor driven by the equalizer enable signal.

4.(Original) The sense amplifier as claimed in claim 1, wherein the equalizer consists of an NMOS transistor driven by the equalizer enable signal.